

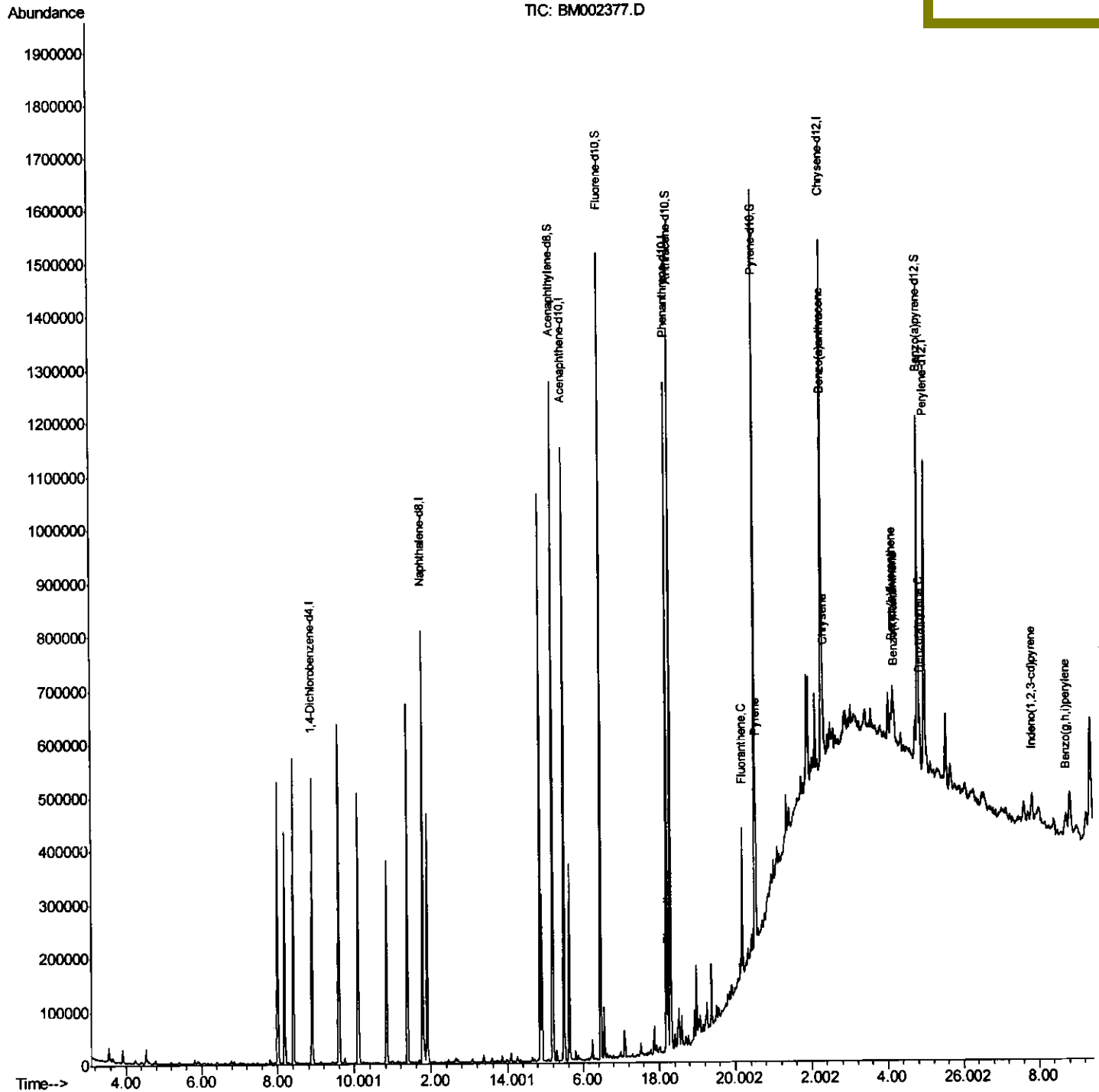
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002377.D  
Acq On : 13 Aug 2015 01:00  
Operator : UM/IZ  
Sample : G3163-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9D07

Quant Time: Aug 13 02:16:11 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 00:45:03 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
8/13/2015 10:58:28 AM



# Quantitation Report (Qedit)

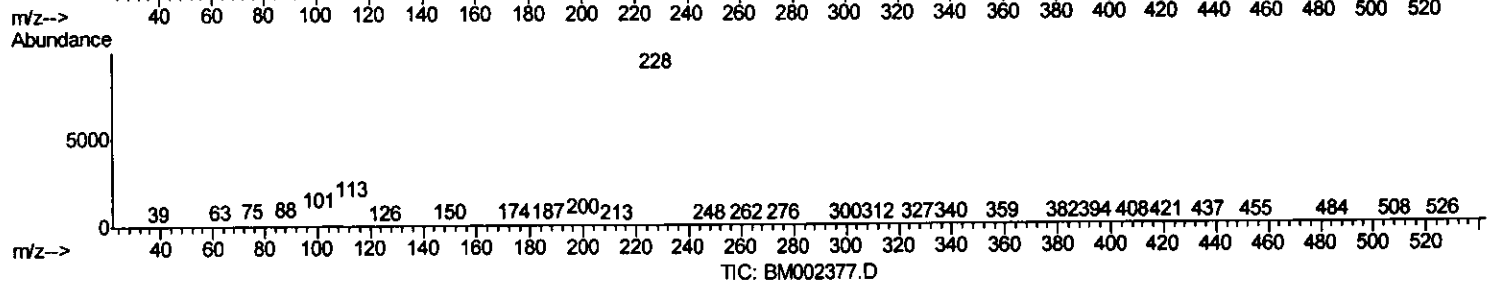
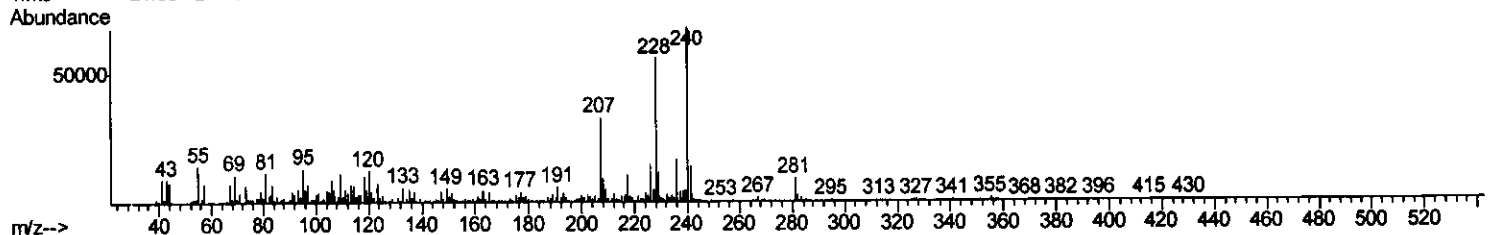
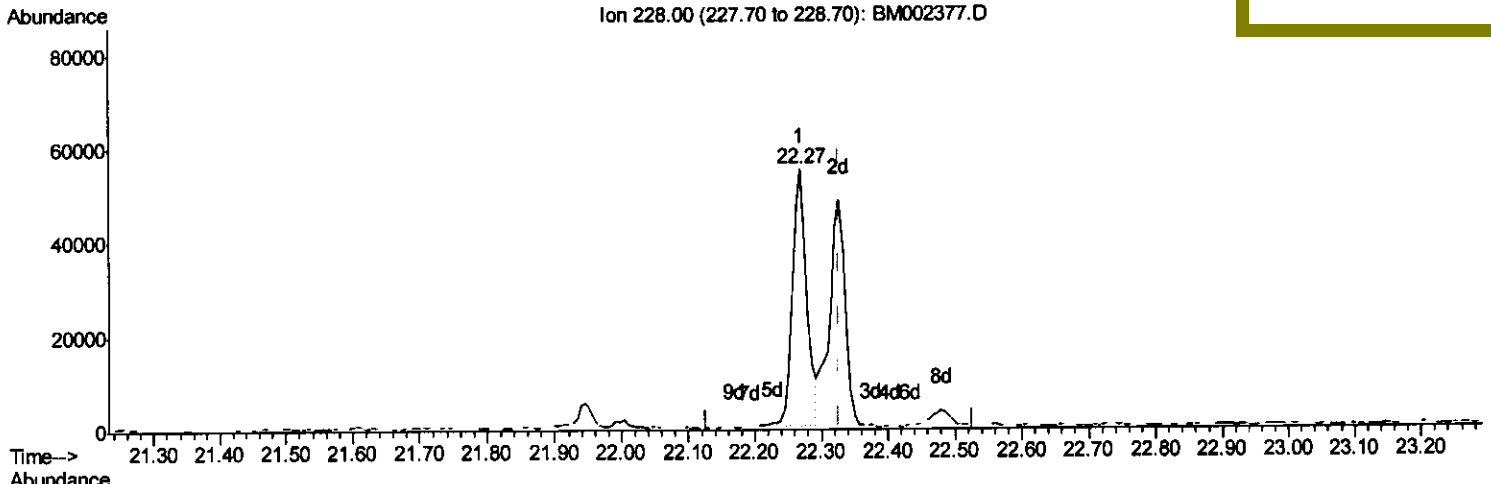
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002377.D  
 Acq On : 13 Aug 2015 01:00  
 Operator : UM/IZ  
 Sample : G3163-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9D07

Quant Time: Aug 13 02:12:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 00:45:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 8/13/2015 10:58:28 AM



(21) Chrysene

22.268min (-0.059) 2.85ng/ul

response 81731

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 29.20 | 26.77 |
| 229.00 | 19.40 | 21.14 |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

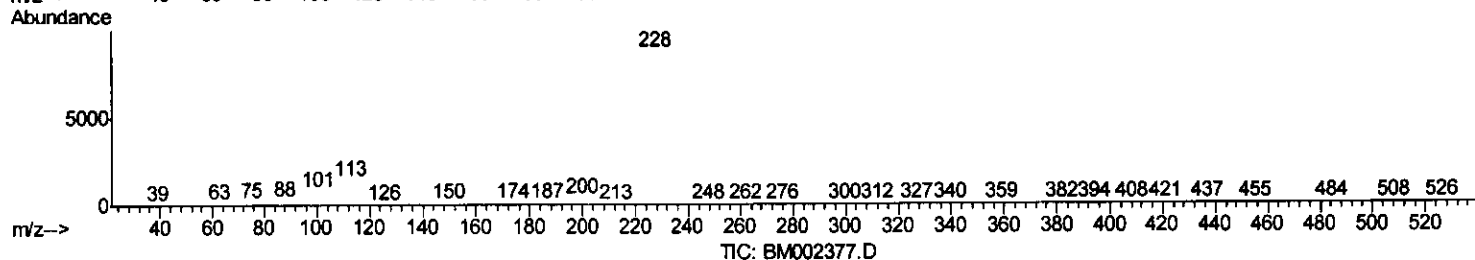
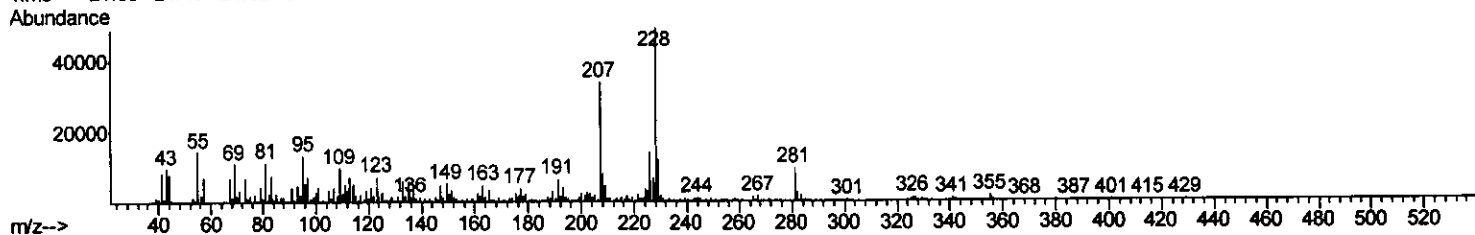
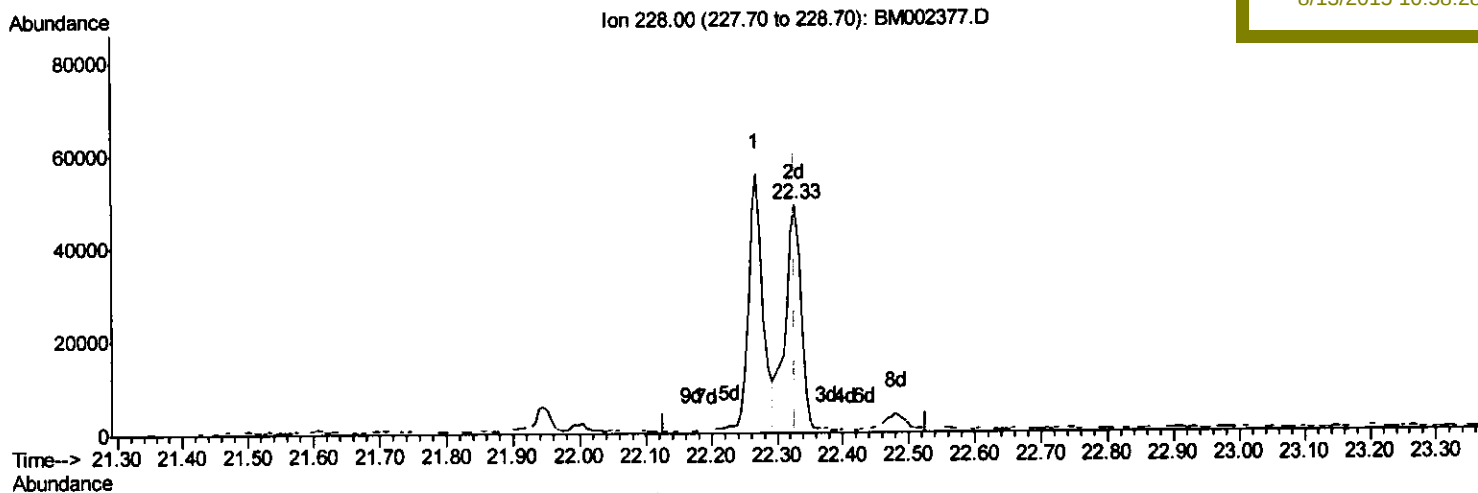
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
Data File : BM002377.D  
Acq On : 13 Aug 2015 01:00  
Operator : UM/IZ  
Sample : G3163-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
D9D07

Quant Time: Aug 13 02:12:40 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 00:45:03 2015  
Response via : Initial Calibration

Manual Integrations  
APPROVED

MMDadoda  
8/13/2015 10:58:28 AM



(21) Chrysene

22.327min (+0.000) 2.73ng/ul m

response 78311

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 29.20 | 29.56  |
| 229.00 | 19.40 | 25.36# |
| 0.00   | 0.00  | 0.00   |

> U.M  
8/13/15

# Quantitation Report (Qedit)

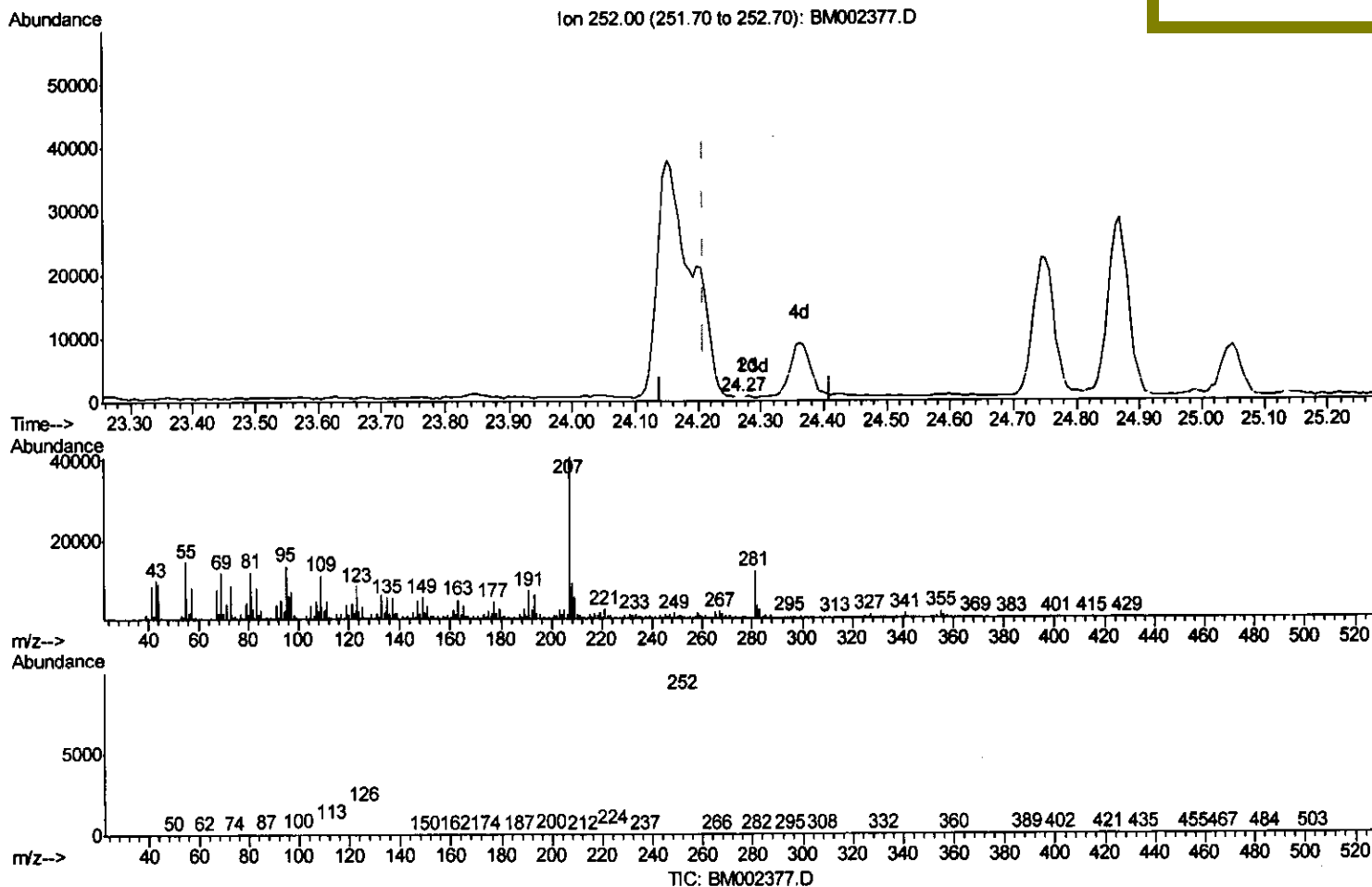
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002377.D  
 Acq On : 13 Aug 2015 01:00  
 Operator : UM/IZ  
 Sample : G3163-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9D07

Quant Time: Aug 13 02:12:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 00:45:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2015 10:58:28 AM



(24) Benzo(k)fluoranthene

24.268min (+0.059) 0.00ng/ul

response 67

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 21.60 | 111.47# |
| 125.00 | 12.80 | 421.78# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

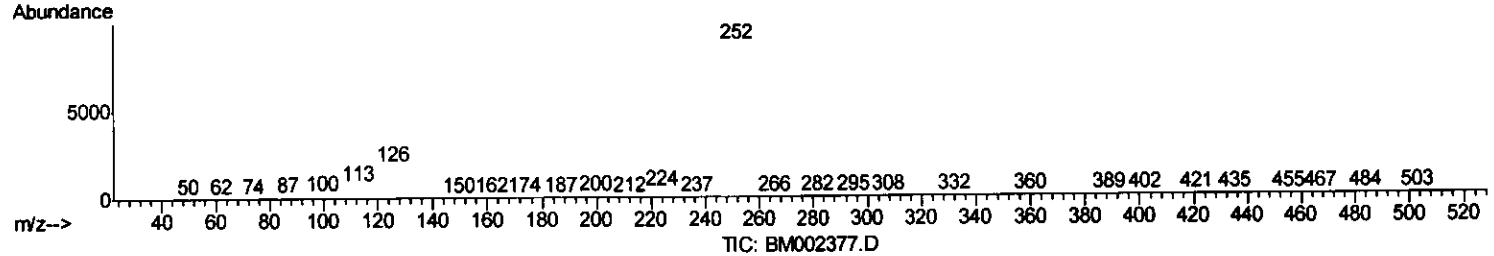
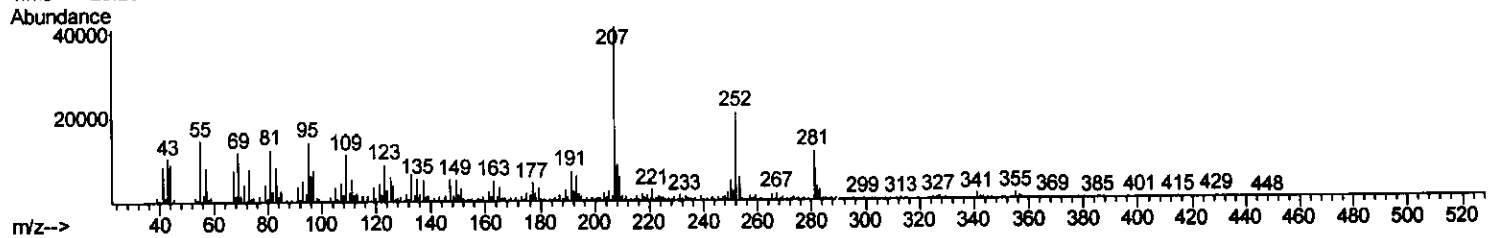
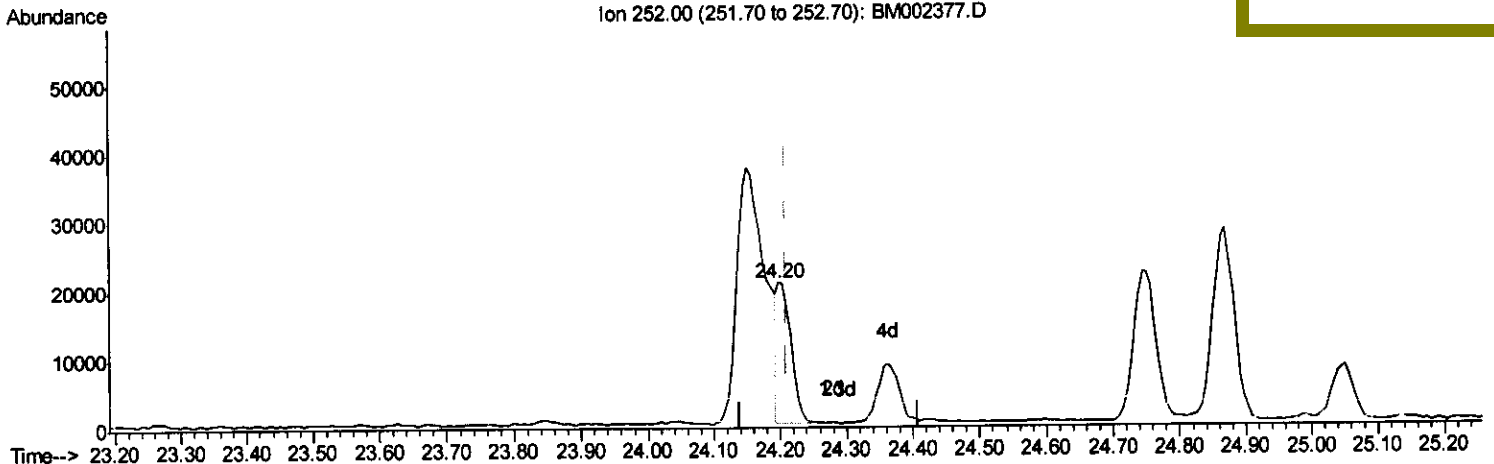
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002377.D  
 Acq On : 13 Aug 2015 01:00  
 Operator : UM/IZ  
 Sample : G3163-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9D07

Quant Time: Aug 13 02:12:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 00:45:03 2015  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2015 10:58:28 AM



(24) Benzo(k)fluoranthene

24.197min (-0.012) 1.07ng/ul m

response 29843

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.60 | 28.26# |
| 125.00 | 12.80 | 28.80# |
| 0.00   | 0.00  | 0.00   |

> U.M  
 8/13/15

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081215\  
 Data File : BM002377.D  
 Acq On : 13 Aug 2015 01:00  
 Operator : UM/IZ  
 Sample : G3163-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9D07

Quant Time: Aug 13 02:16:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
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Manual Integrations  
 APPROVED

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 8/13/2015 10:58:28 AM

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.90  | 152  | 159107   | 20.00 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.77 | 136  | 758196   | 20.00 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 15.49 | 164  | 398903   | 20.00 | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 18.20 | 188  | 728632   | 20.00 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 22.29 | 240  | 496252   | 20.00 | ng/ul  | 0.00     |
| 22) Perylene-d12            | 24.99 | 264  | 469329   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 7) Acenaphthylene-d8        | 15.19 | 160  | 950959   | 23.01 | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 16.46 | 176  | 606440   | 21.10 | ng/ul  | 0.00     |
| 14) Anthracene-d10          | 18.30 | 188  | 785543   | 22.22 | ng/ul  | 0.00     |
| 18) Pyrene-d10              | 20.52 | 212  | 634172   | 26.35 | ng/ul  | 0.00     |
| 25) Benzo(a)pyrene-d12      | 24.81 | 264  | 535698   | 21.50 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 13) Phenanthrene            | 18.24 | 178  | 68338    | 1.63  | ng/ul  | 99       |
| 16) Fluoranthene            | 20.19 | 202  | 170403   | 3.67  | ng/ul  | 98       |
| 19) Pyrene                  | 20.54 | 202  | 126914   | 3.96  | ng/ul  | 97       |
| 20) Benzo(a)anthracene      | 22.27 | 228  | 82379    | 2.72  | ng/ul  | 98       |
| 21) Chrysene                | 22.33 | 228  | 78311m   | 2.73  | ng/ul  | 90       |
| 23) Benzo(b)fluoranthene    | 24.15 | 252  | 109466   | 3.75  | ng/ul# |          |
| 24) Benzo(k)fluoranthene    | 24.20 | 252  | 29843m   | 1.07  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.87 | 252  | 63294    | 2.27  | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 27.83 | 276  | 48126    | 1.50  | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 28.73 | 276  | 42826    | 1.59  | ng/ul# | 92       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

U.M.  
 8/13/15